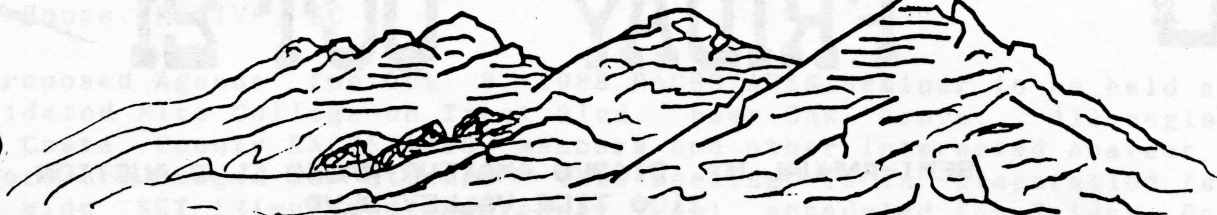


the CARRIER

W6CX



the MOUNT DIABLO AMATEUR RADIO CLUB

VOLUME XXXVI - ISSUE 9¹⁰ - SEPTEMBER 1988 *October*

REPEATERS 147.06/+ 223.74/+ 441.325/+

CARSON TAYLOR, K6TI, HAS ANNOUNCED HIS RESIGNATION AS EMERGENCY COORDINATOR FOR SOUTH CONTRA COSTA COUNTY DUE TO HEALTH RELATED CONDITIONS. THANKS TO CARSON FOR HIS MANY YEARS OF COMMUNITY SERVICE WORK AND DEDICATED EFFORTS IN THE EMERGENCY SERVICES. CARSON HAS OUR BEST WISHES FOR A SPEEDY AND COMPLETE RECOVERY.

CLUB OFFICERS

PRESIDENT

VICKI ZUMWALT N6KLS 458-4527

VICE PRESIDENT

DICK BROWN KT6X 676-9048

SECRETARY

JANE WALKER N6NVA 458-3164

TREASURER

DICK SCHULZE AA6DL 935-5000

EMERGENCY COORDINATOR

JIM PERRY AA6CK 680-7676

BOARD MEMBERS

JAY CALDIS KT6Y 939-1893

JIM HOUSE KA6IVF 372-0345

'THE CARRIER' NEWSLETTER EDITOR

STAN CHRISTIAN WU6P

5450 CONCORD BLVD. #C4

CONCORD, CA 94521

415-672-0330

CONTRIBUTIONS TO 'THE CARRIER'

(1) BY MAIL OR TELEPHONE

(2) @ N6VV BBS 144.99 MHz

DEADLINE for contributions:
LAST DAY OF THE MONTH

MEETING PLACE OF THE MT. DIABLO AMATEUR RADIO CLUB

GRACE PRESBYTERIAN CHURCH
2100 TICE VALLEY BOULEVARD
WALNUT CREEK

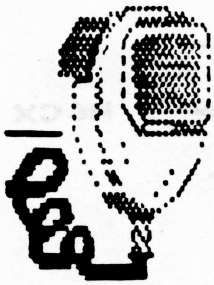
FOLLOW SIGNS IN WALNUT CREEK
TO ROSSMOOR. CONTINUE NORTH ON
TICE VALLEY BOULEVARD 1 BLOCK.
CHURCH ON LEFT SIDE OF STREET.

NEXT MEETING OCTOBER 21, 1988
SEMI-ANNUAL AUCTION 7 PM
DOORS OPEN 6:30

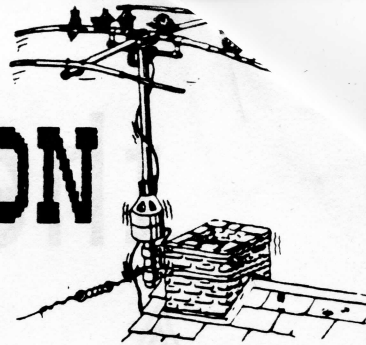
CLUB MEETINGS MONTHLY ON THE
THIRD FRIDAY 8 PM

VISITORS ALWAYS
WELCOME

THE BASE STATION
has temporarily changed its
advertising on the address
page of this newsletter....You
can save \$3.00 if you
before November 15TH.



HAM RADIO AUCTION FRIDAY OCT 21



SEMI-ANNUAL MT. DIABLO AMATEUR RADIO CLUB AUCTION
2100 TICE VALLEY BLVD
WALNUT CREEK
(GRACE PRESBYTERIAN CHURCH)

FREE ADMISSION

SELLERS BRING YOUR EQUIPMENT AT 6PM FOR "TAGGING".
BUYERS WILL BE ADMITTED AT 6:30 TO INSPECT ALL THE GOODIES
AUCTION STARTS AT 7PM

WE INVITE ALL RADIO ENTHUSIASTS TO THE MT. DIABLO AMATEUR RADIO CLUB'S AUCTION. A WIDE SELECTION OF ELECTRONIC GADGETS WILL BE AVAILABLE FOR PURCHASE.

WE ALSO INVITE YOU TO BRING YOUR UN-NEEDED BUT WORKING, OR SERVICEABLE GEAR FOR SALE BY THE CLUB.

WE WILL LIMIT ITEMS FOR THE AUCTION TO:

AMATEUR RADIO EQUIPMENT AND ALL PERTINENT ACCESSORIES
RECEIVING AND/OR TRANSMITTING DEVICES
INTERESTING ELECTRONIC GADGETS
TEST EQUIPMENT
COMPUTERS AND ACCESSORIES

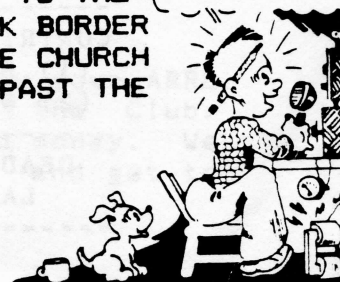
WE DO NOT WANT NOR WILL ACCEPT:

BOAT ANCHORS, TRANSFORMERS, OIL CAPACITORS, RECORD PLAYERS, RUSTED OR OLD CHASSIS', FLOOR STANDING COMPUTER TERMINALS OR PRINTERS, ANYTHING THAT CAN'T BE LIFTED ONTO THE PODIUM OR MIGHT NEED A HAND-TRUCK, WHEELBARROW OR CRANE. (REMEMBER IF YOU THINK ITS JUNK, IT PROBABLY IS, LEAVE IT HOME) WE WILL NOT ALLOW JUNK TO REACH THE AUCTION PODIUM.

THE AUCTION CHAIRMAN IS SCOTT THOMAS, N6LGB. HE HAS THE FINAL SAY. IF YOU HAVE ANY DOUBTS OR QUESTIONS CALL HIM AT: 685-3784.

SIMPLIFIED DIRECTIONS TO THE AUCTION: TAKE HWY 24 TO THE PLEASANT HILL ROAD EXIT ON THE LAFAYETTE/WALNUT CREEK BORDER AND FOLLOW THE SIGNS TO ROSSMOOR. THE AUCTION IS IN THE CHURCH - ON THE LEFT SIDE OF TICE VALLEY BLVD ABOUT 500 FEET PAST THE ENTRANCE TO THE ROSSMOOR RETIREMENT VILLAGE.

SEE YOU AT
THE AUCTION



Via Packet

UPCOMING RACES/ARES SEMINAR

By Jim House, KA6IVF, EC

Proposed Agenda for Oct. 8, 1988 RACES/ARES Seminar to be held at the Consolidated Fire College on Treat Blvd. near Oak Grove. All registered Contra Costa County RACES/ARES members and other interested Amateur Radio Operators are urged to attend. This meeting is in preparation for our county wide SET (Simulated Emergency Test) scheduled for Friday, Oct. 28, starting at 8:00 AM. Even if you can't help with the SET, please plan to attend the seminar.

Time	Duration	Subject	Presenter	Agency/Call Position
12:30	30	Registration		
1:00	15	Introduction to session, introduce everyone.	Dwayne Eskridge W6LKE SEC	
1:15	30	Personal preparation for disaster.		Sgt. Jim Alcorn
		Concord PD Volunteer Coordinator.		
1:45	30	Message handling instruction.		Shirley N6QHF
2:15	15	Break		
2:30	30	Implementation of Concord RACES plan.	Doug Smith WA6GON	Concord Police Communications
3:00	30	Message handling.		Scott Thomas N6LGB
3:30	15	Distribution of new manuals & materials.		Staff
3:45	15	Break		
4:00	15	New RACES registration.		Larry Kaye W6CPO DEC
4:15	15	Comments on upcoming County SET.		Larry Kaye W6CPO DEC
4:30	15	CDF Report, activity at the fires.		Dave Tyler N6DRT CDF EC
4:45	15	EC/AEC Reports		EC's & AEC's RACES
5:00	15	Closing remarks.		Dwayne Eskridge W6LKE SEC

Please bring your RACES manuals if you have received one in the past, and a thin 3 ring binder for new materials to be given out. Our Central County Training AEC, Shirley, has developed some separators to help us organize our manuals. If you don't have a manual, we will have some new ones there.

Remember, community service is what amateur radio is all about! It is needed to protect amateur radio's most valuable resource, our radio frequency spectrum in the face of continued pressure from commercial and government users to expand their own allocations.

For RACES/ARES members who work regular hours, if you have any flexibility at all in your schedule, please plan to be available for the County SET on Oct. 28. We will need as many as 40, that's right, forty, operators for that Friday morning. The retired and self-employed hams can only stretch so far.

Letters from our sponsoring agencies, County OES and the Sheriff's Office attesting to the need for your time can be obtained if this would be of any assistance in getting time off from your employer. Please contact your EC at least two weeks prior to the exercise if you need such a letter, or any time you have questions. Requests for letters should include the name and address of your company, and the name of any supervisor you wish to have the letter addressed too.

NETS: RACES, CLUB, ATV, HF

RACES/ARES NETS

EVERY THURSDAY AT 1900 HOURS
 >CENTRAL C.C.COUNTY 145.680/S<
 JAMES HOUSE, KA6IVF, E.C.
 372-0345
 >EAST C.C.COUNTY 146.540/S<
 WM.VAN VOORHIS, WA6ZFZ, E.C.
 754-1214
 >SOUTH C.C.COUNTY 146.355/+R<
 GEORGE JONES, KI6YK, E.C.
 837-9316
 >WEST C.C.COUNTY 145.110/-R<
 JAMES CROOKE, KB6JEC, E.C.
 529-1900

QSY TO 147.735/-R AT 1920 HOURS

MT.DIABLO AMATEUR RADIO CLUB NET
 THURSDAY 1930 HOURS 147.06/+R
 JAY CALDIS KT6Y NET CONTROL
 > ATV NET FOLLOWS AT 2000 HOURS<
 MIKE SCOTT N6GOZ NET CONTROL
 DON SMITH W6NKF ALTERNATE

CONTRA COSTA COUNTY EMERGENCY
 RADIO SERVICES NET

FIRST THURSDAY FOLLOWING THE FIRST
 WEDNESDAY 2000 HOURS 3895 KHz
 HANK BERRYMAN W6ZHY AEC 934-9659

SHERIFF's RESERVE UNIFORMED
 COMMUNICATIONS GROUP

LARRY KAYE W6CPO-COOR. 933-6357
 FRED A. LUCIDO N6PWT 228-3609
 BRAD WATSON WA6AEO 676-8239

OTHER CONTRA COSTA COUNTY
 AMATEUR RADIO NETS

CONTRA COSTA REPEATER ASSN.

EVERY MONDAY 7:35PM 147.735/-R

PLEASANT HILL AMATEUR RADIO CLUB

EVERY WEDNESDAY-7:30PM 147.735/-R
 > 10-METER NET <
 EVERY WEDNESDAY 8:00PM 28.310 MHz
 NET CONTROL-CARL ANDERSON AA6IM

805 CLUB

EVERY SUNDAY 8:05PM 146.895/-R

PRESIDENTIAL QRM

By Vicki Zumwalt, N6KLS

BIG HOLIDAY news is in the making! Our Club Christmas Party is scheduled for Saturday December 3, 1988 and I hope you will all mark your calendars now and plan to attend. We will be having a very inexpensive catered dinner and plan on a price break for children. Entertainment will be our fabulous awards presentations. We have an awards committee set up now and should you have a suggestion for an award or a club member you feel is deserving, please give it to our secretary Jane, at the October and November club meetings. We had such a great time last year at the party and I really hope you will all plan to attend. Reservations must be in to George Roush, WB6OFH, by our November meeting so we can order our dinner. Let him know right away if you plan to attend.

Out elections are coming up and our nominating committee, WU6P, KI6YK and AA6CK have not had much success in getting members to run for office. At our October meeting I will be asking for nominations from the floor. Please consider running for club office.

As most of you saw our financial statement at the last meeting, the club has a good bank balance. I am happy about that and it is thanks to our returning members who keep paying their dues and coming to the great programs we have. I thank you all for your support. We are almost at the 300 mark for membership, and I would like to see that happen before the end of the year.

See you at the AUCTION on OCTOBER 21st. As usual, N7LGB is setting up for a great auction and Art, our auctioneer, will let you have all the bargains you want !! Shop until you drop and spend, spend, spend.

Via Packet

LAS TRAMPAS TRAIL RIDE By Joe Gregory, WA6DQN

Ninety six riders and their horses participated in a trailride in Redwood and Anthony Chabot regional parks on Saturday, Sep. 24.

Communications for the ride timers and veterinarians were provided by the Mt. Diablo Amateur Radio Club. We arrived at the ride camp in Bort Meadow at 0600, located the ride director in the dust and confusion of the departing horses and trucks of their support crews, and proceeded to the first check point in Redwood Bowl (where George KI6YK had been waiting for some time). Dick AA6DL set up a station at the Base Camp, assisted at the start by Wayne WB6WZV. Jim KA6IVF accompanied the ride director in her pickup and relayed instructions to all points. Wayne WB6WZV was soon moved to the Macdonald staging area (check point 2). Anticipated difficulties in "getting out" from this site did not materialize, in fact Wayne could communicate with the most distant location simplex.

By about noon all horses had passed check points 1 and 2, which were closed, and Wayne moved back to the Base Camp where he assisted Dick and later relieved him for the afternoon shift.

Joe WA6DQN joined the timers at the Brandon Trail Crossing in the southern part of Chabot Park, and Pete N6QGN handled the last check point at Grass Valley Road.

Horses made excellent time and very few had trouble requiring calls for the "ambulance" (horse-trailer). Two riders took a wrong turn, and two others got lost and had to be shown the route by park rangers. The drag riders cleared the last check point about 1600 and the net closed.

Initially we operated through

the W6CX 2-meter repeater, but conditions were such that simplex contacts were possible between all points, so this mode was used most of the day.

S I L E N T K E Y

ROBERT WALTERS

W6LDS

!! CONGRATULATIONS !!
TO DR. GEORGE JONES, KI6YK, ON HIS APPOINTMENT TO EMERGENCY COORDINATOR FOR SOUTH CONTRA COSTA COUNTY (REPLACING CARSON TAYLOR, K6TI).

THE NOVEMBER CLUB MEETING SPEAKER
WILL BE DR. STUART SHIKORA, CHAIRMAN AND MEDICAL DIRECTOR OF THE DEPARTMENT OF EMERGENCY MEDICINE, MOUNT DIABLO HOSPITAL MEDICAL CENTER IN CONCORD. THIS WILL BE ANOTHER OUTSTANDING EVENT ARRANGED BY CLUB VICE-PRESIDENT DICK BROWN, KT6X.

EXPECT A NO CODE LICENSE SOON !
The FCC will abolish the current five Amateur License Classes for a one-class license for all. If you think CW 'keeps the riff-raff out', the new written test will have the same effect ! ! !

1989 AMATEUR RADIO WALL CALENDARS

Here is a unique opportunity to obtain a 13.5 by 19.5 inch red-white-and-blue calendar with the words AMATEUR RADIO in very large lettering in the top half. There is plenty of space for personalized information and date blocks to note operating events and appointments. Available from:

Lockheed ERC Amateur Radio Club
2814 Empire Ave.,
Burbank, Ca 91504

Send \$5 and a mailing label for each calendar.

AN EXAMPLE OF COOPERATION

By Carson Taylor, K6TI

Public Relations Officer

Every year for seventeen years on the weekend of Labor Day, the Valley Spokesmen stage the gigantic HEKATON BICYCLE CLASSIC. This competition involves four separate courses, flung over two counties through some of the most difficult terrain for cyclists to try their metal. Each year sees between 1200 and 1500 perspiring entrants laboring up steep hills and descending grades at lightning speed. The routes occasionally use the same areas but for the most part are widely separated. The terrain varies from extremely long steep climbs and twisting descents to level areas plagued by heavy traffic.

The four courses are named "Hilly 100 Mile, Moderate 100 Mile, Metric Century (83 miles), and the 25 Mile". The term moderate is open to interpretation. Even the 25 miler has many hazardous moments.

The "Valley Spokesmen" is a club of cycle enthusiasts who know how to organize such an event. They also are well aware of Amateur Radio and their dependency upon it for communication. This year South Contra Costa County EC K6TI, Carson Taylor, and the new EC for the City of Livermore-Alameda County, Ron Kane, WA6TGF, teamed up. By cooperating closely and bringing in ARES/RACES members from their respective areas, they achieved a level of effective communication not seen before in this event.

The temperature in some areas reached 111 degrees and all areas were very high. This factor contributed to the unusual number of riders needing rescue by the 'sag' wagons. Two very severe medical emergencies were handled with dispatch. One required the rider to be evacuated from a hilly

terrain by helicopter to the trauma center at John Muir Hospital in Walnut Creek. After two hours of surgery he remained in very critical condition but would have had no chance of survival without amateur communication. The other accident involved three riders with varying degrees of injury.

All medical was removed from the main net to the 440 MHz. band to facilitate handling. Each net control handled a common net frequency, an auxilliary 2 meter frequency and a repeater on 441.825 MHz for medical. The control points were separated by 15 miles at the start/finish line and at a point in the center of the loops providing for maximum coverage.

Repeaters used were WA6HAM and CCRA machines which have the greatest coverage. In South Contra Costa the RACES/ARES machine was used for certain areas as were Livermore repeaters on 147.12 and on 147.045 MHz.

The cooperation between the two organizations was set up by the efforts of N6QPE, EC K6TI and EC WA6TGF. Operators were N6POL, KI6YK, N6ZA, KI6TB, N7IPY, KI6OY, N6SRT, KB6UU, N6QHF, KA6IVF, WA6DQN, KT6X, WB6HKF, N6QPE, WA6TGF, and K6TI with novice licensee KB6YWY, acting as message courier at the start point.

It was truly a satisfying experience to be involved with a group of 17 operators all cooperating and doing an outstanding job. This has been commented on by the cyclists and observers alike.

All who took part may be justly proud of their efforts.

 =====
 THE DIFFERENCE BETWEEN AN ORATOR
 AND A BAG OF WIND IS WHETHER OR NOT
 YOU AGREE WITH HIM/HER.
 =====
 HAULING! You holler and I'll hauler
 =====

Via Packet

ROCKY RIDGE REPEATER GROUP MINUTES AND TREASURER'S REPORT

PL DATES SET. MARK YOUR CALENDAR -
OCTOBER 15TH IS PL DAY FOR 2 METERS
ON W6CX.

For those who sent a check, Oct 15 (Saturday) PL boards will be installed in W6NKF's garage Vine Hill Way in Martinez. Take highway 4 to the Morello exit. Go South on Morello (toward Pleasant Hill) to Rolling Hill way. Left on Rolling Hill to 1608. Talk in on 2 and 220 repeaters. Show up about 10 a.m. with your rig AND SCHEMATIC. If you've got a factory board, the RRRG will install it for \$10 labor. There is still time to send checks. Checks should be made out to RRRG and Sent to Rick Barber WB6EZI, 3141 Milner Rd, Antioch 94509 (\$30 for the board, \$10 for installation). Nov 15th is the PL install date for 220. No date has been set for turning 220 PL.

The PL freq. for 2m is 100hz. 220 is at 77hz. Most 450 rigs now have PL. PL is at 100hz for 450. PL will be turned off for net nights and public service events to encourage new people to join.

AN OPERATING PRACTICE SELF EVALUATION

The Board has had comments, phone calls and discussions that operating procedures have fallen down on 2M. Jay is going to re-vamp the group's operating guidelines and publish them.

Here are a few hints:

Keep transmissions short during the few hours each day that are commute hours (6 -8 and 4-6:30).

Don't rag chew during commute hours. Several lower level repeaters can be used instead of the wide coverage of W6CX (i.e. 3.98, 4.18, 4.92).

Make contact on the repeater

and switch to simplex if you're talking to someone nearby.

Don't use the patch for communications where you can use a phone.

If you're in simplex range, don't use the repeater.

No business calls or even calls that allude to a business purpose. It is a fast way to loose your liscense. Get a business band or a cellular phone.

Work with someone if you hear him having trouble with his operating practices.

TECH TOPICS

Coverage should be better than it was a few weeks ago. Reflected power was down on the antenna. Both repeaters do not favor the South. Coverage on 440 will get much better in the future due to antenna placement. The Digipeater is up W6CX-1 or "TV" will get it. The radio now is putting out 20 watts but is getting de-sensed.

Keith is checking with the site owner on whether his insurance policy will cover fire losses on Diablo should a fire ever reach the site.

TREASURER'S REPORT

Balance is \$1961.38. All bills are paid except the insurance.

NEW MEMBERS: Brian N6TDJ

Bernie KB6MTI

Welcome to Rocky Ridge

Respectfully submitted:
Don K7SDF Secretary

THANKS THANKS THANKS

The Editor of 'The Carrier' thanks the members who expressed concern over the recent illness of my son Alan, WW6B, and for their prayers. All indications are for a complete recovery. 73 STAN

MDARC MONTHLY MEETING MINUTES
16 Sept. 1988

Pres. Vicki N6KLS called the meeting to order, introduced guest Rod Stafford KB6ZV, and up-grades.

Minutes were approved.

Vice Pres. Brown told of coming events. OCT. auction (look further in the Carrier) NOV. Guest speaker Dr. Skikora, Head of the emergency room at Mt. Diablo Hospital.

Treas. Jay Caldis gave the treas. report \$4245.52

MEMBERSHIP-Current membership 293.

EDUCATION-Jay Caldis has 45 novices, 7-8 tech-general in the classes, also they are showing movies.

NOMINATING COM.-Stan Christian, Jim Perry, Dr. George Jones.

ATV filmed the club meeting.

Jay Caldis will talk about the PL at the Rocky Ridge Repeater meeting. He has 125 people checking in on the 147.060 net.

ARRL Pacific Division Director Rodney Stafford KB6ZV, spoke of the 220 band, his entire program was informative, had questions and answers.

George Roush did a fine job of taking over Lauren Styles duties for the evening...Thank you George.

Respectfully submitted,

Jane Walker N6NVA

Secretary

BOARD MEETING MINUTES
20 Sept. 1988

ATTENDEES:

President	Vicki Zumwalt	N6KLS
Vice Pres.	Dick Brown	KT6X
Secretary	Jane Walker	N6NVA
Treasurer	Dick Schulze	AA6DL
Carrier Ed.	S. Christian	WU6P
Mem/Pub.	George Jones	KI6YK

BOARD MEMBERS ABSENT:

Jay Caldis	KT6Y
Jim House	KA6IVF
Jim Perry	AA6CK

Pres. Vicki called the meeting to order.

Dick Brown submitted a bill of \$50. for prizes.

Treasurer report \$4312.47. Club insurance due \$304., the Rocky Ridge Repeater pays one-third. Dick Brown moved that we pay \$350 to the Grace Presbyterian Church for our meeting room. Dick Schulze seconded, the motion was approved.

The nominating committee announced that the current Board with exception of E.C.-Jim Perry would be running for office again this year. The nominating committee has thus far been unable to obtain a second slate to run against the current board. There will be nominations at the Oct. meeting from the floor.

The Club by-laws will be published in the next directory.

If you would like to be on a committee to up-date the Club by-laws, see a Board member. We need you so please volunteer. Members and Ham lic. only.

Xmas party: We can get the Willow Creek Center in Concord, date Sat. Dec. 3rd. Dick Brown made a motion, Jane Walker seconded the motion for the Xmas party to be moved to the new location. Board approved. George Roush will be in charge as in the past for money and publicity. More in the Carrier when details are firm.

The Board approved the purchase of printer ribbons as needed by the Carrier editor. We also discussed getting a new Club banner. Dick Brown presented a motion, Dick Schulze seconded, Board approved the motion.

Next Board meeting scheduled for Oct. 25th Dick Schulze home.

Respectfully submitted,

Jane Walker N6NVA

Secretary

ATLAS WAS THE FIRST HOLD-UP MAN

WORLDWIDE DISTRIBUTION



HAM RADIO OUTLET

LARGEST HAM OUTLET IN THE WORLD

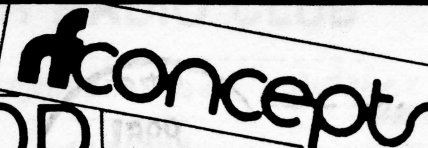
FREE SHIPMENT
MOST ITEMS UPS SURFACE

7

STORE BUYING POWER



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President
Jim Rafferty N6RJ
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Between Disneyland &
Knott's Berry Farm
ATLANTA, GA 30340
6071 Buford Hwy
(404) 263-0700
Larry, Mgr. W04AGW
Doraville, 1 mi. north of I-285

BURLINGAME, CA 94010
999 Howard Ave
(415) 342-5757
George, Mgr. WB6DSV
5 miles south on 101 from SF0
OAKLAND, CA 94606
2210 Livingston St.
(415) 534-5757
Al, Mgr. WA6SYK
17N-5th Ave / 17S-16th Ave

PHOENIX, AZ 85015
1702 W. Camelback Rd
(602) 242-3515
Bob, Mgr. K7ROH
East of Hwy 17
SAN DIEGO, CA 92123
5375 Kearny Villa Rd
(619) 560-4900
Tom, Mgr. KM6K
Hwy 163 & Claremont Mesa Blvd

VAN NUYS, CA 91411
6265 Sepulveda Blvd
(818) 988-2212
Al, Mgr. K6YRA
San Diego Fwy
at Victory Blvd
STORE HOURS
10 AM-5:30 PM
CLOSED SUNDAYS



CALL TOLL FREE (800) 854-6046



Toll free including Hawaii. Phone Hrs: 7:00 am to 5:30 p.m. Pacific Time. California, Arizona and Georgia customers call or visit nearest store. California, Arizona and Georgia residents please add sales tax. Prices, specifications, descriptions subject to change without notice.



THE BASE STATION

YOUR CONTRA COSTA HAM HEADQUARTERS
FOR AMATEUR RADIO NEEDS

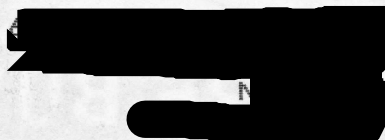
CALLBOOKS FOR 1989 ARE COMING SOON
A PRE-PUBLICATION SPECIAL.

COME IN AND ORDER YOURS BEFORE
NOVEMBER 15, 1988 AND SAVE \$3 EACH.

UNLIKE SOME BAY AREA HAM STORES
WE STILL ACCEPT USED AND CONSIGNED
SALES. PLEASE CALL US FOR MORE INFO.

1839 EAST STREET (across from Sattler's)
CONCORD, CA 94520 (415) 685-7388

FIRST CLASS MAIL



From:
Mt. Diablo Amateur Radio Club, Inc.
P.O. Box 23222
Pleasant Hill, Calif. 94523
Affiliated with the ARRL
Affiliated with the American Red Cross

The CARRIER

Don't forget to renew your ARRL
membership through the Club.
Send us the card and money. We
forward to the ARRL and get to
keep \$2.00.